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Kathleen M. Ashton

Name

*Kathleen M. Ashton*

Signature

*March 19, 2001*

Date of Signature

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I.D.S

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hiroaki Suga

Filed: November 22, 2000

Serial No. 09/721,414

For: Catalytic RNAs With Aminoacylation Activity

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant wishes to make of record the following references under the provisions of 37 C.F.R. §1.97 (legible copies are provided). These references are discussed in the Specification.

U.S. Pat. No. 5,474,096  
U.S. Pat. No. 5,270,163  
U.S. Pat. No. 5,990,142  
U.S. Pat. No. 5,998,142  
U.S. Pat. No. 6,063,566

References Cited

Please see attached Form 1449 for list of publications.  
Legible copies of all publications listed are enclosed.

The person making this statement is the patent attorney who signs below on the basis of the information supplied by the inventors, and as the attorney associated with the filing and prosecution of this application (37 CFR 1.56(a)).

Respectfully submitted,

By:

*Ranjana Kadle*

Ranjana Kadle, Reg. No. 40,041

HODGSON RUSS LLP  
One M & T Plaza, Suite 2000  
Buffalo, New York 14203-2391  
Date: March 19, 2001  
S:515785\_FLODOC

Form PTO-1449 (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTORNEY DOCKET NO. 11520.0222	SERIAL NO. 09/721,414
	APPLICANT Hiroaki Suga	
	FILING DATE November 22, 2000	GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	4	7	5	0	9	6	12/12/95	Gold et al.	536	23.1	6/10/91
	AB	5	2	7	0	1	6	3	12/14/93	Gold et al.	435	6	8/17/92
	AC	5	9	9	0	1	4	2	11/23/99	Carganico et al.	514	382	3/20/97
	AD	5	9	9	8	1	4	2	12/7/99	Gold et al.	435	6	8/21/97
	AE	6	0	6	3	5	6	6	5/16/2000	Joyce	435	6	7/17/96
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL													
	AM													
	AN													

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Beaudry et al., "Directed Evolution of An RNA Enzyme", Science, July 31, 1992, v 257, n 5070, p635	✓
	AP	Piccirilli et al., "Aminoacyl Esterase Activity of The Tetrahymena Ribozyme", Science, June 5, 1992, v 256, n 5062, p1420-1424	✓
	AQ	Pan et al., "In Vitro Selection of RNAs That Undergo Autolytic Cleavage with Pb <sup>2+</sup> ", Biochemistry, April 28, 1992 v 31, n 16, p3887-3895	✓
	AR	Bartel et al., "Isolation of New Ribozymes From A Large Pool of Random Sequences", Science, September 10, 1993 Volume 261(5127), pages 1411-1418;	✓
	AS	Schultz et al., "Expanding The Scope of RNA Catalysis", Science, 24 June 1994, Volume 264(5167), pages 1924-1927	
EXAMINER		DATE CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

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(Use several sheets if necessary)

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	AI					
	AJ					
	AK					

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					YES	NO
AL						
AM						
AN						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AT	Lorsch et al., "In Vitro Evolution of New Ribozymes With Polynucleotide Kinase Activity", Nature, Volume 371; 1 September 1994, p 31-36
AU	Brenner et al., "Encoded Combinatorial Chemistry", Proc. Natl. Acad. Sci. USA, 1992, Vol 89; pages 5381-5383.
AV	Illangasekare et al., "Aminoacyl-RNA Synthesis Catalyzed by an RNA", Science; Volume 267(5198); 3 February 1995; pages 643-646
AW	Lohse et al., "Ribozyme-catalysed amino-acid transfer reactions", Nature, 30 May 1996, Volume 381(6581) p 442-444.
AX	Suga et al., "Structural and Kinetic Characterization of an Acyl Transferase Ribozyme", 1998, J. Am. Chem. Soc., v 120, p 1151-1156.

EXAMINER

DATE CONSIDERED

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